



Attorney Ref. No. 51590 62071

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Sadelain et al. Confirmation No. 3724  
U.S. Serial No. 09/872,832 Examiner: Ewoldt, Gerald  
Filed: June 1, 2001 Group Art Unit: 1644  
For: ARTIFICIAL ANTIGEN PRESENTING CELLS AND  
METHODS OF USE THEREOF

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EXPRESS MAILING CERTIFICATE

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Label. No. EV 738116387 US, addressed to MS Amendment Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: August 15, 2005

Signature: Denise Kacinski  
Denise Kacinski

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DECLARATION OF DR. RICHARD J. O'REILLY M.D.

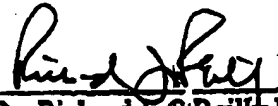
1. I, Dr. Richard J. O'Reilly M.D., do hereby declare that I am Chairman of the Department of Pediatrics, Chief of the Pediatric Bone Marrow Transplant Service and the Claire L. Tow Chair in Pediatric Oncology Research at Memorial Sloan-Kettering Cancer Center. I am familiar with the technology described in United States Patent Application Serial Number 09/872,832 (the '832 application). My experience and professional background are summarized in the attached curriculum vitae.
2. I have reviewed the Office Action dated February 14, 2005. I understand that the Examiner finds the "E495" designation of the CMV antigenic peptide having the sequence of NLVPMVATV between amino acids 495-503 ("CMVpp65<sub>495-503</sub>") to be an insufficient description of this peptide.
3. On page 40 of the '832 application, in Example 16, an amino acid segment from cytomegalovirus protein pp65 is described. The peptide itself is identified in Example 16 as "E495" (i.e., epitope of pp65<sub>495</sub>).

## BEST AVAILABLE COPY

4. A CMV pp65 derived antigenic peptide designated "E495" would be recognized by a skilled practitioner in the field of immunology to be the CMV pp65<sub>495-503</sub> peptide that is shown to have potent antigenic effects by Diamond et al. (1997) Blood, 90:5 pp. 1751-1767 and Solache et al. (1999) J. Immunology, 5512-5518. This peptide sequence is consistently described in the literature as the optimal antigenic peptide to be derived from the 495 region of pp65. Accordingly, a skilled practitioner would recognize that an antigenic peptide designated "E495" and derived from CMV pp65 is shorthand for the well-known pp65<sub>495-503</sub> antigenic peptide.

5. I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true and, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful statements may jeopardize the validity of the application or any patent issued thereon.

Dated 8-12-05

By:   
Dr. Richard J. O'Reilly M.D.,  
Chairman of the Department of  
Pediatrics



# MEMORIAL SLOAN-KETTERING CANCER CENTER

August, 2005

**Name:** Richard J. O'Reilly, M.D.

**Date of Birth:** April 29, 1943

**Place of Birth:** Brooklyn, New York

**Nationality:** U.S.

**Office Address:** Department of Pediatrics  
1275 York Avenue - Box 139  
New York, New York 10021

**Tel:** 212 639 5957  
**Fax:** 212 717 3447  
**Email:** oreillyr@mskcc.org

**Home Address:** 402 East 64th Street, Apartment 7A  
New York, New York 10021-7940

**Licensed Physician:** 1972 Massachusetts  
1973 New York

**Board Certification:** 1974 American Board of Pediatrics

**Education:** Bachelor of Arts, 1964  
College of the Holy Cross  
Worcester, MA

Doctor of Medicine, 1968  
University of Rochester School of Medicine  
Rochester, NY

**Postdoctoral Training:** Internship  
July 1968 - March 1969, Pediatrics  
University of Minnesota Hospitals, Minneapolis, Minnesota

Residency  
July 1971 - June 1972, Pediatrics  
Children's Hospital Medical Center, Boston, MA

Fellowship  
July 1972 - June 1973, Infectious Disease  
Children's Hospital Medical Center and Beth Israel Hospital, Boston, MA

## **POSITIONS & APPOINTMENTS**

### **Academic and Hospital Appointments:**

|                |                                                                                                                                                                                                                                          |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1986 - present | Chairman, Department of Pediatrics, Memorial Sloan-Kettering Cancer Center, New York, NY                                                                                                                                                 |
| 1984 - present | Member, Memorial Sloan-Kettering Cancer Center, New York, NY                                                                                                                                                                             |
| 1984 - present | Attending Pediatrician, Hematology/Lymphoma Service, Clinical Immunology Service, Department of Medicine, Memorial Hospital, New York, NY                                                                                                |
| 1984 - present | Prof. of Immunology, Cornell University School of Medical Sciences                                                                                                                                                                       |
| 1984 - present | Prof. of Pediatrics, Cornell University Medical College, New York, NY                                                                                                                                                                    |
| 1984-2003      | Vincent Astor Chair of Clinical Research, Memorial Sloan-Kettering Cancer Center                                                                                                                                                         |
| 2003-present   | Claire L. Tow Chair in Pediatric Oncology Research                                                                                                                                                                                       |
| 1983 - present | Attending Pediatrician, Department of Pediatrics, The New York Hospital, New York, NY                                                                                                                                                    |
| 1982 - present | Attending Pediatrician, Dept of Pediatrics, Memorial Hospital, New York, NY                                                                                                                                                              |
| 1981           | Associate Attending Pediatrician, Immunology Service and Hematology/Lymphoma Service, Department of Medicine, Memorial Sloan-Kettering Cancer Center, New York, NY                                                                       |
| 1980 - 1984    | Lila Acheson Wallace Professor of Pediatric Research, Cornell University Medical College, New York, NY                                                                                                                                   |
| 1980           | Associate Attending Pediatrician, Chief, Marrow Transplantation Service, Memorial Hospital, New York, NY                                                                                                                                 |
| 1978 - 1983    | Associate Attending Pediatrician, The New York Hospital, New York, NY                                                                                                                                                                    |
| 1978           | Assistant Attending Physician, Hematology/Lymphoma Service, Memorial Hospital, New York, NY                                                                                                                                              |
| 1978 - 1983    | Associate Professor of Pediatrics and Immunology, Cornell University Medical College, New York, NY                                                                                                                                       |
| 1976           | Director, Marrow Transplantation Program, Memorial Hospital, New York, NY                                                                                                                                                                |
| 1975           | Director, Pediatric Marrow Transplantation Program, Memorial Hospital, New York, NY                                                                                                                                                      |
| 7/1974 - 1978  | Assistant Professor of Immunology, Sloan-Kettering Division, Graduate School of Medical Science, Cornell University Medical College, New York, NY<br>Assistant Professor of Pediatrics, Cornell University Medical College, New York, NY |
| 1973 - 1980    | Assistant Attending Pediatrician, Department of Pediatrics, Memorial Hospital<br>Assistant Member, Sloan-Kettering Institute, New York, NY                                                                                               |

### **Research Appointments:**

|                |                                                                     |
|----------------|---------------------------------------------------------------------|
| 1984 - present | Member, Sloan-Kettering Institute for Cancer Research, New York, NY |
|----------------|---------------------------------------------------------------------|

**1984 - present**    **Member, Department of Immunology, Sloan-Kettering Institute**

**1983**                **Associate Member, Sloan-Kettering Institute for Cancer Research, New York, NY**

**1980 - 1984**        **Associate Member, Department of Immunology Sloan-Kettering Institute, New York, NY**

**1973 - present**    **Head, Laboratory of Microbial Immunology, Sloan-Kettering Institute, New York, NY**

**1973 - 1983**        **Assistant Member, Sloan-Kettering Institute for Cancer Research, New York, NY**

**1972 - 1973**        **Research Fellow in Pediatrics, Children's Hospital Medical Center, Boston, MA**

**1966 - 1967**        **Student Fellow in Immunology, University of Rochester School of Medicine, Rochester, NY**  
**Summer elective**

**1965**                **Student Fellow in Nuclear Medicine, University of Rochester School of Medicine, Rochester, NY**

#### **Scientific and Medical Societies:**

**American Pediatric Society**  
**American Association of Immunologists**  
**American Association of Pathologists**  
**American Academy of Pediatrics**  
**American Association for the Advancement of Science**  
**American Society of Hematology**  
**American Association for Cancer Research**  
**American Society for Blood and Bone Marrow Transplantation**  
**Association for Gnotobiotics**  
**H San Raffaele Scientific Advisory Board**  
**International Society for Hematotherapy & Graft Engineering**  
**Medical Society of the State of New York**  
**New York Academy of Sciences**  
**New York County Medical Society**  
**New York Transplantation Society**  
**New York Celtic Medical Society**  
**Society for Pediatric Research**  
**Transplantation Society**

#### **Honors and Awards:**

**Pediatric Oncology Award, American Society of Clinical Oncology, May 14, 2005**  
**Lifetime Achievement Award, American Society for Blood and Marrow Transplantation, February 12, 2005**  
**Timothy Gee Humanity in Medicine Award, The Lauri Strauss Leukemia Foundation, November 8, 2004**  
**Visiting Professor, The Sidney Kimmel Comprehensive Cancer Center, 2003-2004**  
**William Hathaway Visiting Professor, Children's Hospital of Denver, 2004**  
**Award for Excellence in Medicine, The Society Memorial Sloan-Kettering Cancer Center, May 18, 2004**  
**Claire L. Tow Chair in Pediatric Oncology Research**  
**Boerhaave Medal – Leiden University – February 18, 2000, Leiden, The Netherlands**  
**Vincent Astor Chair in Clinical Research, 1984 - 2003**  
**Ronald McDonald House Award, 1993**  
**The Best Doctors in America, Pediatric Bone Marrow Transplantation, 1992,1993, 1996**  
**The Best Doctors in New York, Pediatric Hem/Onc, 1996**  
**The Best Doctors in New York, Pediatric Hem/Onc, 1998**  
**Mary Jane Keller Visiting Professor, Yale University School of Medicine, 1996**  
**Visiting Woodruff Professor, Emory University School of Medicine, Atlanta, GA**  
**Louise and Allston Boyer-Young Investigator Award in Clinical Science, 1980**  
**Lila Acheson Wallace Chair of Pediatric Research, 1980**  
**Doctor of Medicine with Honors, University of Rochester School of Medicine, 1968**

## OTHER SUPPORT

### O'REILLY, R. J.

#### ACTIVE

|                        |                  |     |
|------------------------|------------------|-----|
| P01-CA59350 (Sadelain) | 5/1/00 – 4/30/05 | 10% |
| NIH                    | \$196,319        |     |

Memorial Sloan-Kettering Cancer Gene Therapy Program.

Develop a rapid, practicable and broadly applicable approach for the generation of donor-derived CD8<sup>+</sup> cytotoxic and CD4<sup>+</sup> helper T cells specific for immunogenic proteins of CMV and EBV for adoptive transfer to treat or prevent infection following allogeneic marrow or organ transplantation.

Role: Project Leader

|                             |                 |     |
|-----------------------------|-----------------|-----|
| 1 U01 HL69315-03 (O'Reilly) | 9/30/01-8/31/06 | 10% |
| NIH/NHBLI                   | \$347,025       |     |

IL-7 for immune recovery after hematopoietic allografts

The major goals of this proposal are to perform a Phase I and a randomized Phase II study within the Blood and Marrow Transplant Clinical Research Network to evaluate the role of IL7 as an immunostimulatory agent in adult recipients of a hematopoietic allograft.

Role: PI

|                           |                |     |
|---------------------------|----------------|-----|
| P01 CA23766-26 (O'Reilly) | 5/8/02-2/28/07 | 10% |
| NIH                       | \$330,460      |     |

The Immunobiology of Marrow Allografts for Leukemia.

To evaluate new strategies for generating T cells from HLA matched donors that are reactive against host minor alloantigens or leukemia associated antigens which, after transduction with NIT vector could be adoptively transferred to induce a controlled, reversible graft vs. leukemia reaction.

Role: PI, Project 1

|                           |                |     |
|---------------------------|----------------|-----|
| P01 CA23766-26 (O'Reilly) | 5/8/02-2/28/07 | 12% |
| NIH                       | \$270,521      |     |

The Immunobiology of Marrow Allografts for Leukemia.

Experimental therapeutics investigating novel approaches for transplantation of patients with leukemia.

Role: PI, Project 6

|                           |                |     |
|---------------------------|----------------|-----|
| P01 CA23766-26 (O'Reilly) | 5/8/02-2/28/07 | 10% |
| NIH                       | \$151,493      |     |

The Immunobiology of Marrow Allografts for Leukemia.

To provide administrative, biostatistical and data management for the program project, the individual research projects and the clinical trials program.

Role: PI, Core D

|                           |                        |     |
|---------------------------|------------------------|-----|
| 5 P30 CA08748-40 (Varmus) | 2/21/2003 – 12/31/2007 | 15% |
| NIH/NCI                   | \$6,246,619            |     |

Cancer Center Support Grant

This grant provides funds for core facilities, developmental research, and other internal programs that support the research programs of MSKCC's NCI-Designated Comprehensive Cancer Center.

Role: Project Leader

**OVERLAP**

None

**OTHER SUPPORT****PENDING**

P01 CA52477-13 (Spriggs) 2004 10%

NIH \$215,539

Epithelial Ovarian Cancer Program Project

To develop practicable methods for the generation of tumor antigen specific cytotoxic T cells that recognize the epithelial ovarian cancer associated tumor antigens: Wilms' tumor gene (WT1), HER2/neu, and MUC16 and to assess their activity against ovarian cancer in preclinical models and in phase I/II clinical trials of adoptive immunotherapy in patient with advanced ovarian cancer.

Role: PI, Project 3

P01 CA106450-01 (O'Reilly) 12/1/04-11/30/09 15%

NIH \$260,180

Molecular Targeting of Developmental Cancers in Children

To evaluate the anti-tumor activity of T lymphocytes generated from the blood of tumor bearing and normal hosts by sensitization with peptides derived from oncofetal proteins differentially expressed by developmental tumors of childhood.

Role: PI, Project V

P01 CA106450-01 (O'Reilly) 12/1/04-11/30/09 10%

NIH \$94,177

Molecular Targeting of Developmental Cancers in Children

To enhance communication, prioritize efforts and provide appropriate scientific interchange and oversight.

Role: Core Director, Core D

### **Institutional Activities:**

Ad Hoc Committee on Clinical Investigation  
Ad Hoc Committee for Review of Bone Marrow Transplantation Service  
Ad Hoc Committee for Review of Clinical Cancer  
Chemotherapy Research, Department of Pediatrics  
Physician-in-Chief Advisory Search Committee  
Department of Biochemistry Review Committee  
Leukemia Cell Biology Discussion Group  
Search Committee - General Motors Surgical Research Laboratory  
Chairman, Disease Management Team, Department of Pediatrics  
Pediatric Solid Tumor Task Force  
Chairman, Bone Marrow Transplantation Service Search Committee  
Anti-Viral Task Force Committee  
CCOP Steering Committee  
Ad Hoc Committee (Immunobiology) for Appointments and Promotions  
Committee on Blood and Blood Products  
Transfusion Committee  
Medical Board, April 1986 - present  
Research Council, April 1986 - 1996  
Committee on Appointments and Promotions April 1986 - April 1993  
Surgical Service Review Committee, 1989  
Hematologic Oncology Division Chief Search Committee  
Leukemia Steering Committee  
Clinical Genetics Search Committee  
Experimental Therapeutics Center Executive Committee  
Memorial Hospital Committee on Credentials, Appointments and Promotions, 2004-present

### **Other Activities:**

Editor-in-Chief - Biology of Blood & Marrow Transplantation, 1995 - 2001  
Associate Editor - Cancer Research, 1993-1997  
Associate Editor - Clinical Cancer Research, 1994-2002  
Associate Editor - Bone Marrow Transplantation Journal  
Associate Editor - Clinical Transplantation  
Editorial Board - International Journal of Cell Cloning  
Editorial Board - Journal of Clinical Immunology  
Editorial Board - Marrow Transplantation Reviews  
NCI - Ad Hoc Review Committee - Program Projects on Marrow Transplantation, 1989 -  
Presenter, President's Cancer Panel, National Cancer Program, 1995  
Board of Scientific Counselors, National Cancer Institute  
Member, NCI Clinical Trials Working Group, 1996  
Member, Subcommittee F NCI K-12 Review Committee, 1997  
Ad Hoc Review Committees, National Cancer Institute, National Heart, Lung, and Blood Institute  
Scientific Advisory Board, Cellerant Corporation  
Member, NIH-NCI Subcommittee D of Cancer Centers & Res Programs Review Committee,  
1994- 1996  
Member, NIH-NCI Subcommittee D of Cancer Centers & Research Programs Review Committee,  
1997 - 2000  
Member, NIH-NCI Subcommittee A, Board of Scientific Counselors, NCI, 2000-2005  
Consultant - FDA Biological Response Modifiers Advisory Committee, 1998 - present  
Chairman, Selection Committee, Clinical Scholars Award, Cancer Research Fund of the Damon Runyon-  
Walter Winchell Cancer Research Fund, 1999-Present  
President, Damon Runyon-Walter Winchell Cancer Fund, 1990 - 1996  
Board of Directors, Executive & Scientific Committee, Damon Runyon-Walter Winchell Cancer Fund  
Secretary, American Society for Blood and Marrow Transplantation, 1993 - 1995  
Past President, American Society for Blood and Marrow Transplantation



Ad-Hoc Bone Marrow Registry Committee - Southeastern Organ Procurement Foundation  
 American Cancer Society Review Committee on Immunology and Immunotherapy  
 General Motors Cancer Research Foundation, Kettering Award Selection Committee, 1993 & 1994  
 Department of Health, City of New York Pediatric Evaluation Committee  
 Board of Directors, The Children's Oncology Society of New York  
 Long-Range Planning Committee, American Association for Cancer Research, 1989 - 1990  
 Public Education Committee, American Association for Cancer Research, 1990 -1995  
 Program Committee, American Association for Cancer Research, 1991 - 1995  
 Councillor, International Bone Marrow Transplantation Registry  
 New York State Department of Health Living Donor Tissue Technical Advisory Committee, 1991 - 1994  
 Publications Committee, American Association for Cancer Research  
 Member, Public Relations & Communications Committee of the American Association for Cancer Research AACR, 1998 - present  
 Chairman, New York State Bone Marrow Transplantation Consortium, 1997 - present  
 Advisory Council Member - The Bone Marrow Foundation (Resource and Educational Center), 1998 - present  
 Vice-President, American Society of Blood and Marrow Transplantation, 1999 – 2000  
 President, American Society of Blood and Marrow Transplantation, 2001-present  
 External Scientific Advisory Committee, M.D. Anderson Cancer Center, 1998 - present  
 External Scientific Advisory Committee, Ad Hoc Member, Dana Farber Cancer Institute, 1998 - 1999  
 External Scientific Advisory Board, Pediatric Branch, National Cancer Institute, 1998 - present  
 External Scientific Advisory Committee to the Transplantation Program for Aplastic Anemia, Fred Hutchinson Cancer Research Center, 1996 - present  
 External Advisory Committee for the Duke Comprehensive Cancer Center  
 Ad Hoc Bone Marrow Transplantation Committee of the Children's Cancer Study Group  
 Advisory Board, The Aplastic Anemia Foundation of America  
 Medical Advisory Board, The Laura Rosenberg Memorial Fund, Inc.  
 Medical Advisory Committee, Andrew S. Gaffney Foundation, May 1986  
 Board of Directors, Foundation for the Accreditation of Hematopoietic Cell Therapy, 1994 -2003  
 Medical Advisory Board, Lauri Strauss Leukemia Foundation, 1991  
 Medical Director, Robert Steel Foundation  
 Scientific Advisory Board, William Guy Forbeck Research Foundation, 1999 – present  
 Scientific Advisory Council, Hope Street Kids, 2000-present  
 Clinical Cancer Research Committee, American Association for Cancer Research, 2002-present  
 Scientific Advisory Board, Anthony Nolan Research Insitute, 2002-present  
 Medical Advisory Board, The Sidney Kimmel Foundation, 2002-present  
 Leukemia & Lymphoma Foundation Grants Review Committee  
 Leukemia & Lymphoma Society of America, Medical and Scientific Affairs Committee  
 Sidney Kimmel Foundation, Medical Advisory Board  
 External Scientific Advisory Board, Immunology Program, Los Angeles Children's Hospital  
 Scientific Consultant, Becton-Dickinson Corporation, 2004-present  
 Scientific Consultant, Zephyr Sciences, 2004-present  
 External Advisory Council, The USC-CHLA Institute for Pediatric Clinical Research, 2005-present

**Languages:** Spoken: German  
 Written: German

**Social Security Number:** 135 34 8581

**Marital Status:** Married **Spouse's name:** Jean

**Dependents:** John  
 Stephen

**Military Service:** Senior Assistant Surgeon, United States Public Health Service,  
 National Center for Disease Control 1969 - 1971

## A. JOURNALS

1. Strain, W.H., Danahy, D.T., O'Reilly, R.J., Thomas, W.R., Wilson, R.M., Pories, W.J.: Promotion of radioisotope excretion. J Nucl Med.; 8:109, 1967.
2. Strain, W.H., Rivers, R.J., O'Reilly, R.J., Danahy, D.T., Thomas, W.R., Wilson, R.M.: Effect of parabens on the permeability of the blood: Brain barrier to water-soluble radiopaque media. Amer J Roentgenology, Radium Therapy and Nuclear Medicine 105:410, 1969.
3. Gordon, D.S., Hunter, R.G., O'Reilly, R.J., Conway, B.P.: Pseudomonas aeruginosa allergy and humoral antibody-mediated hypersensitivity pneumonia. Am Rev Resp Dis; 108: 27-131, 1973.
4. Huang, S.W., Ammann, A.J., Levy, R.L., Hong, R., Bach, F.H., Bach, M.L., O'Reilly, R.J., Patterson, J.H.: Treatment of severe combined immunodeficiency by a small number of pretreated non-matched marrow cells. Transplantation; 15: 174-176, 1973.
5. Ingram, D.L., O'Reilly, R.J., Anderson, R., Smith, D.H.: Detection of the capsular polysaccharide of hemophilus influenzae b in body fluids. In: Sell SH, ed. Conference on Hemophilus Influenzae. Vanderbilt Press, 37-43, 1973.
6. Kearns, D.H., O'Reilly, R.J., Lee, L., Welch, B.G.: Secretory IgA antibodies in the urethral exudate of males with uncomplicated gonococcal urethritis. J. Infect. Dis., 127: 99-101, 1973.
7. Kearns, D.H., Seibert, G.B., O'Reilly, R.J., Lee, L., Logan, L.: Paradox of immune response to uncomplicated gonococcal urethritis. N. Engl. J. Med., 289: 1170-1172, 1973.
8. O'Reilly, R.J., Patterson, J.H., Bach, F.H., Bach, M.L., Hong, R., Kissmeyer-Nielsen, F.: Chimerism detected by HLA typing. Transplantation, 15: 505-507, 1973.
9. O'Reilly, R.J., Welch, B.G., Kellogg, D.S.: An indirect fluorescent antibody technique for study of uncomplicated gonorrhea. II. Selection and characterization of the strain of N. gonorrhea used as antigen. J. Infect. Dis., 127: 77-83, 1973.
10. Welch, B.G., O'Reilly, R.J.: An indirect fluorescent antibody technique for study of uncomplicated gonorrhea. I. Methodology. J. Infect. Dis., 127: 69-76, 1973.
11. Incefy, G., Boumsell, L., Kagan, W., Goldstein, G., DeSousa, M., Smithwick, E.M., O'Reilly, R.J., Good, R.A.: Enhancement of T lymphocyte differentiation in vitro by thymic extracts and purified polypeptides in severe combined immunodeficiency diseases. Trans. Assoc. Am. Physicians, 88: 135-145, 1975.
12. Incefy, G.S., Boumsell, L., Touraine, J.L., L'Esperance, P., Smithwick, E.M., O'Reilly, R.J., Dupont, R.J., Good, R.A.: Enhancement of T-lymphocyte differentiation in vitro by thymic extracts after bone marrow transplantation in severe combined immunodeficiencies. Clin. Immunol. Immunopathol, 4: 258-268, 1975.
13. Incefy, G.S., Boumsell, L., Touraine, J.L., L'Esperance, P., Smithwick, E.M., O'Reilly, R.J., Good, R.A.: Enhancement of T-lymphocyte differentiation in vitro by thymic extracts after bone marrow transplantation in severe combined immunodeficiencies. In: VanBekkum DW, ed. The Biological Activity of Thymic Hormones - Proceedings. Rotterdam: Kooyker Scientific Publications, 43-44; 1975.
14. L'Esperance, P., Hansen, J.A., Jersild, C., O'Reilly, R.J., Good, R.A.: Thomsen J, Nielsen LS, Svejgaard A, Dupont B: Bone marrow donor selection among unrelated four-locus identical individuals. Transplant. Proc. 7(Suppl): 823-831, 1975.
15. O'Reilly, R.J., Anderson, P., Ingram, D.L., Peter, G., Smith, D.H.: Circulating polyribophosphate in Hemophilus

- influenzae type b meningitis. Correlation with clinical course and antibody response. J. Clin. Invest. 56: 1012-1022, 1975.
16. Twomey, J., Waddell, C.C., Krantz, S., O'Reilly, R.J., L'Esperance, P., Good, R.A.: Chronic mucocutaneous candidiasis with macrophage dysfunction, a plasma inhibitor, and coexistent aplastic anemia. J. Lab. Clin. Med., 85: 968-977, 1975.
  17. Cunningham-Rundles, S., Feller, W.F., Cunningham-Rundles, C., Dupont, B., Wanebo, H., O'Reilly, R.J., Good, R.A.: Lymphocyte transformation in vitro to RIII mouse milk antigen among women with breast disease. Cell. Immunol., 25: 322-327, 1976.
  18. Emodi, G., O'Reilly, R.J., Muller, A., Everson, L.K., Bunswanger, U., Just, M.: Effect of exogenous leukocyte interferon in cytomegalovirus infections. J. Infect. Dis., 133: 199-204, 1976.
  19. Gorski, A.J., Dupont, B., Hansen, J.A., O'Reilly, R.J., Smithwick, E.M., Gorska, R., Good, R.A.: Leukocyte migration inhibitory factor (LMIF) profile in primary and secondary immunodeficiency disease. Clin. Exp. Immunol., 26: 505-510, 1976.
  20. Gupta, S., Pahwa, R., O'Reilly, R.J., Good, R.A., Siegel, F.P.: Ontogeny of lymphocyte subpopulations in human fetal liver. Proc. Nat. Acad. Sci., 73: 919-922, 1976.
  21. Hansen, J.A., O'Reilly, R.J., Good, R.A., Dupont, B.: Relevance of major human histocompatibility determinants in clinical bone marrow transplantation. Transplant. Proc., 8: 581-589, 1976.
  22. Incefy, G., Grimes, E., Kagan, W., Goldstein, G., Smithwick, E.M., O'Reilly, R.J., Good, R.A.: Heterogeneity of stem cells in severe combined immunodeficiency. Clin. Exp. Immunol., 25: 462-471, 1976.
  23. Moore, M.A.S., Hansen, J.A., Everson, L.K., O'Reilly, R.J., Good, R.A.: Hematologic analysis of clinical bone marrow grafting evaluated by in vitro cultures. Transplant. Proc., 8: 647-654, 1976.
  24. O'Reilly, R.J., Everson, L.K., Emodi, G., Hansen, J., Smithwick, E.M., Grimes, E., Pahwa, S., Pahwa, R., Schwartz, S., Armstrong, D., Siegel, F.P., Gupta, S., Dupont, B., Good, R.A.: Effects of exogenous interferon in cytomegalovirus infections complicating bone marrow transplantation. Clin. Immunol. Immunopathol., 6: 51-61, 1976.
  25. O'Reilly, R.J., Lee, L., Welch, B.G.: Secretory IgA antibody responses to *Neisseria gonorrhoeae* in the genital secretions of infected females. J. Infect. Dis., 133: 113-125, 1976.
  26. Smith DH, Peter G, Ingram DL, O'Reilly RJ, Harding AL, Anderson P : The immunological response of humans to the capsular polysaccharide of *Haemophilus influenzae*, type b. New approaches for inducing natural immunity to pyogenic organisms pp. 73-5, 1976.
  27. Hadden, J.W., Lopez, C., O'Reilly, R.J., Hadden, E.M.: Levamisole and inosiplex. Antiviral agents with immunopotentiating action. Ann. N.Y. Acad. Sci., 284: 139-152, 1977.
  28. Incefy, G., Dardenne, M., Pahwa, S., Grimes, E., Pahwa, R., Smithwick, E.M., O'Reilly, R.J., Good, R.A.: Thymic activity in severe combined immunodeficiency diseases. Proc. Nat. Acad. Sci., 74: 1250-1253, 1977.
  29. Lewis, V., Twomey, J.J., Goldstein, G., O'Reilly, R.J., Smithwick, E.M., Pahwa, R., Pahwa, S., Good, R.A., Schulte-Wisserman, H., Horowitz, S., Hong, R., Jones, J., Sieber, O., Kirkpatrick, D., Polmar, S., Bealmear, P.: Circulating thymic-hormone activity in congenital immunodeficiency. Lancet, 2: 471-475, 1977.
  30. Lopez, C., O'Reilly, R.J.: Cell-mediated immune responses in recurrent herpes virus infections. I. Lymphocyte proliferation assay. J. Immunol., 118: 895-902, 1977.
  31. O'Reilly, R.J., Chibbaro, A., Anger, E., Lopez, C.: Cell mediated immune responses in patients with recurrent herpes simplex infections. II. Infection-associated deficiency of lymphokine production in patients with recurrent

herpes labialis or herpes progenitalis. J. Immunol., 118: 1095-1102, 1977.

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